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(54) PHOTSENSITIVE PASTE

(57) Abstract:

PROBLEM TO BE SOLVED: To inhibit the gelation of photosensitive paste and to enable stable use and high precision patterning with a high aspect ratio by incorporating a phosphorus compd. into the photosensitive paste contg. inorg. fine particles and an org. component contg. a photosensitive compd. as essential components.

SOLUTION: A compd. contg. 5-80wt.% phosphorus in one molecule is added to photosensitive paste to obtain

the objective photosensitive paste having a long pot life. The compd. has P-OH groups in one molecule. Since the gelation preventing effect of the compd. can be enhanced in accordance with the increase of the ratio of P-OH bonds in one molecule, the phosphorus content of one molecule is preferably ≥ 5 wt.%. A compd. having two or more phosphoric acid groups or phosphorous acid groups in one molecule, e.g. alkylidiphosphonic acid typified by hydroxyethylenediphosphonic acid is preferably used.

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